

ABSTRACT OF THE INVENTION

An imaging system switching device is described. The imaging system switching device is used for multi-function office machines, which has a scanner and a printer and additionally a copy machine and a fax machine. . The imaging system switching device has a roller, a lens, a reflector, an optical receiver, an optical transmitter, and an optical switch. The optical switch changes light streams transmitting route for different function so as to use the same transmitting elements for a scan function and a print function. Another aspect of the imaging system switching device further has an original roller so that the switching device of the imaging system can simultaneously scan and print.